

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) ~~A fabric pillings evaluation method and procedure for evaluating fabric pillings with using a stereovision procedure comprising the steps of:~~

~~laying a fabric specimen on a horizontally traveling table which travels horizontally~~

~~translating the table in the right angle of a projector laser beam located above the table for measuring a surface height of the pillings;~~

~~obtaining the surface profile of the fabric specimen with a couple of cameras inclined in both sides of the projector laser beam for re-constructing a three-dimensional (3D)-fabric surface image of the fabric specimen together with the height of the fabric specimen and projector laser beam by a couple of charge coupled device (CCD) cameras inclined to the projector laser beam;~~

~~converting the three dimensional (3D) image into a binary image using with a height-threshold algorithm, and to evaluate correlations of number, area and density of a fabric pilling obtained from standard photographs; and~~

~~grading the pilling of the fabric specimen from the binary image,~~

~~calculating the x and y coordinates of a certain region in the fabric specimen from dimension and position on the horizontally traveling table;~~

~~calculating a pixel shift value due to surface roughness in the 3D laser image and to correlate between the pixel shift value and an actual height values through adjusting an initial position of an apparatus for measuring fabric pilling; and~~

~~calculating the actual height value from the pixel shift value;~~

~~wherein the actual height of the fabric specimen at a certain position is calculated according to pixel shift of an apparatus for measuring the pillings of the fabric specimen after establishing the relationship between the pixel shifts and the actual height of the fabric specimen through adjusting of the initial calibration position of the apparatus, the adjustment is measured using three different kinds of calibration blocks,~~

and the pixel shifts is linearly regressed according to the correlation between the pixel shift value and with the actual height value using calibration blocks.

2-4. (Canceled)

5. (Currently amended) The fabric pilling evaluation method using stereovision according to claim 1, wherein a linear regression coefficient for linear regression according to the adjusting the initial position is 0.99.

6. (Currently amended) An fabric pilling evaluation apparatus for evaluating fabric pillings in using stereovision comprising:

a table which can be translated in a horizontally direction traveling table for translating with a fixed fabric specimen fixed for calculating an (x, y) position of the fabric specimen;

a slit laser beam projector located mounted in the right angle of above the table for measuring a height of the fabric specimen;

a couple of charge coupled devices (CCD) placed in both sides of the cameras inclined to a slit laser beam of the slit laser beam projector to for capturing a three-dimensional (3D) image of a surface profile of the fabric specimen wherein each of the charge devices is laterally directed to each other; and

a personal computer for reconstructing calculating the fabric pilling grade based on the information of the traveling table translation and the three dimensional (3D) image of the fabric specimens surface profile and converting the image into a binary image;

wherein an initial calibration position of the apparatus is adjusted using three different kinds of calibration blocks, the height of the fabric specimen is calculated by shift pixels of the apparatus through adjustment of the initial calibration position of the apparatus, and the shift pixels are linearly regressed according to a relationship correlation between the actual heights and shift pixels pixel shift value of the 3D image and the actual height value using calibration blocks.